



QEEG Clinical Report

BrainLens V0.4



Report Description

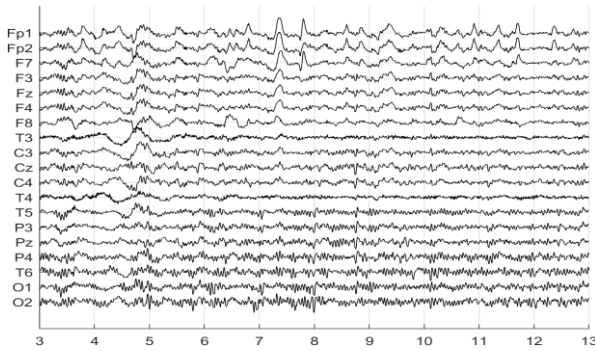
Personal & Clinical Data

Name	Yousef Heydari	Date of Recording	17-Oct-2024
Date of Birth - Age	03-Feb-2014 - 10.7	Gender	Male
Handedness(R/L)	Right	Source of Referral	Reyhan Clinic
Initial Diagnosis	L.D-ADHD		
Current Medication	Risperidone		

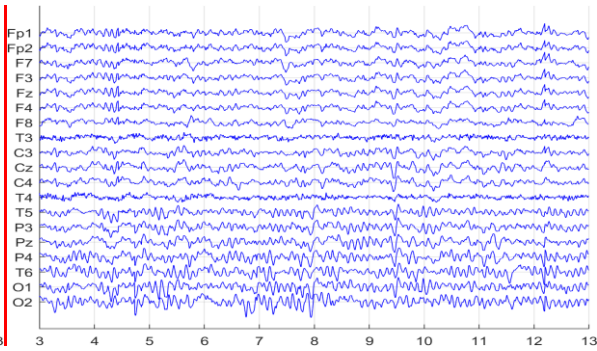
Reyhan Clinic

Denoising Information (EC)

Raw EEG



Denoised EEG



Flat Channels



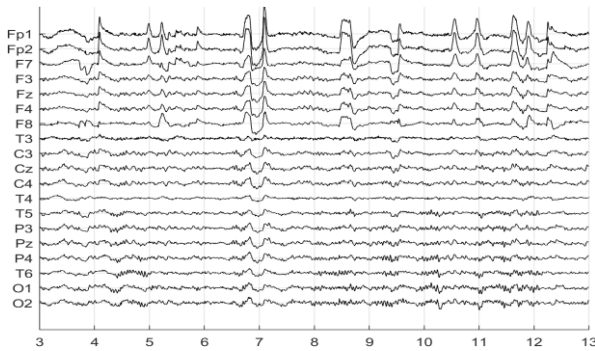
Rejected Channels



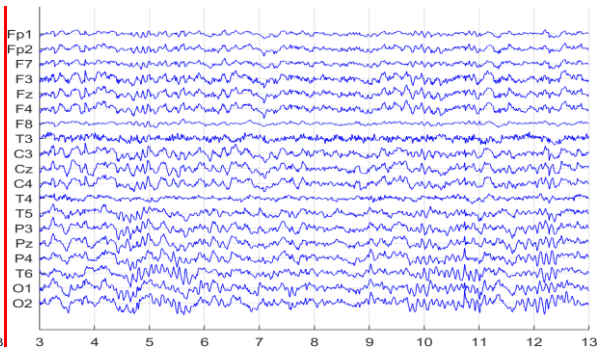
Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	3	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		good		Total Recording Time Remaining	
				224.74 sec	

Denoising Information (EO)

Raw EEG



Denoised EEG



Flat Channels



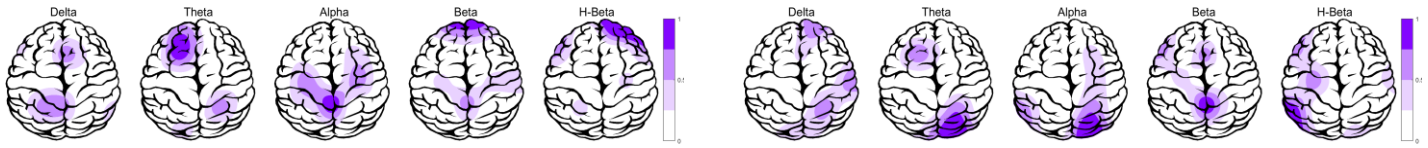
Rejected Channels



Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	4	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		good		Total Recording Time Remaining	
				145.09 sec	

Pathological assessment for ADHD

Compare to ADHD Database



EEG Compatibility with ADHD Diagnosis

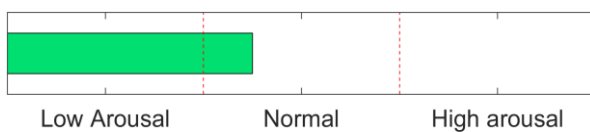
ADHD Table	EC		EO	
Feature Name	Threshold	Region	Threshold	Region
Increased rDelta	1.00	global	1.00	global
Increased rTheta	0.00	NAN	0.00	NAN
Increased rAlpha	0.00	NAN	0.00	NAN
Increased rBeta	0.00	NAN	0.00	NAN
Decreased SMR	-1.00	global	-2.00	global
Increased T/B Ratio	0.50	Fz and Cz	1.00	Fz and Cz

ADHD

ADHD Compatibility

ADHD Probability

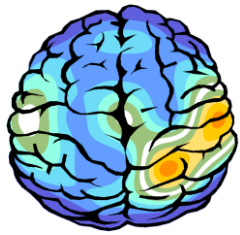
Arousal Level Detection



ADHD Clustering *

1. Same inattentive and hyperactive prevalence. Well respond to stimulants.

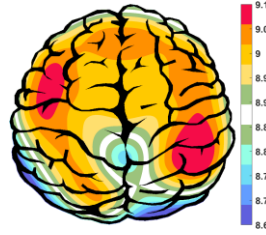
APF(EO)



Frontal APF= 09.25

Posterior APF= 09.38

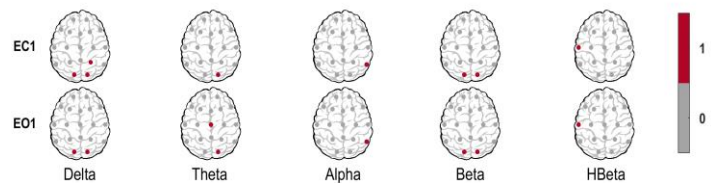
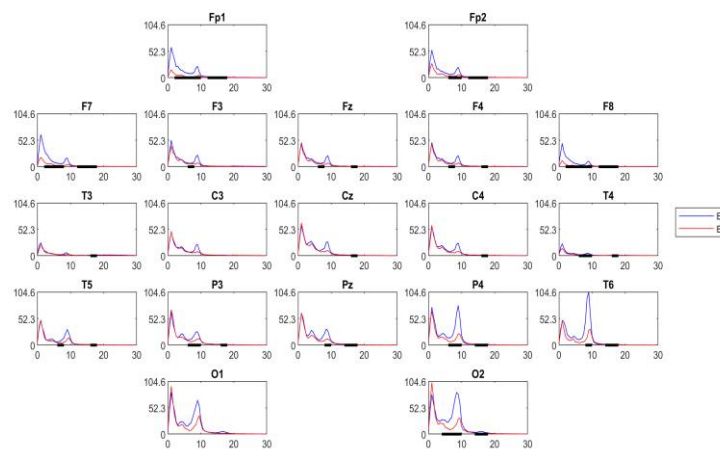
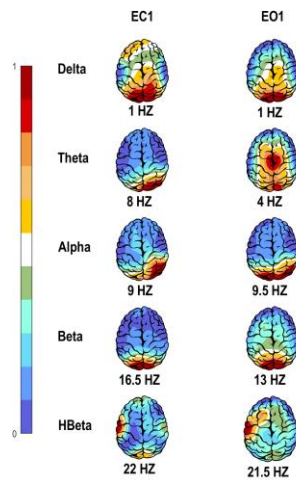
APF(EC)



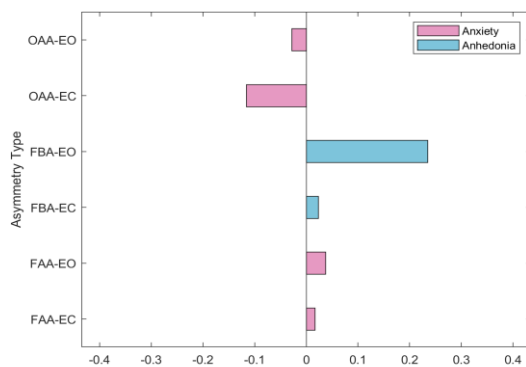
Frontal APF= 09.00

Posterior APF= 08.88

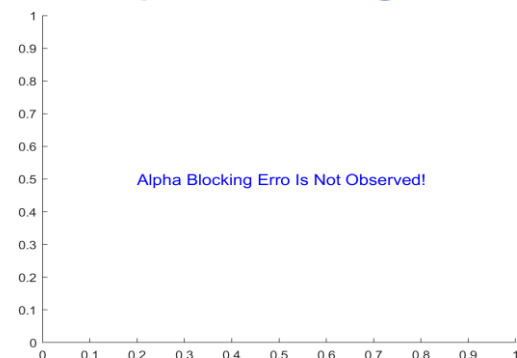
EEG Spectra



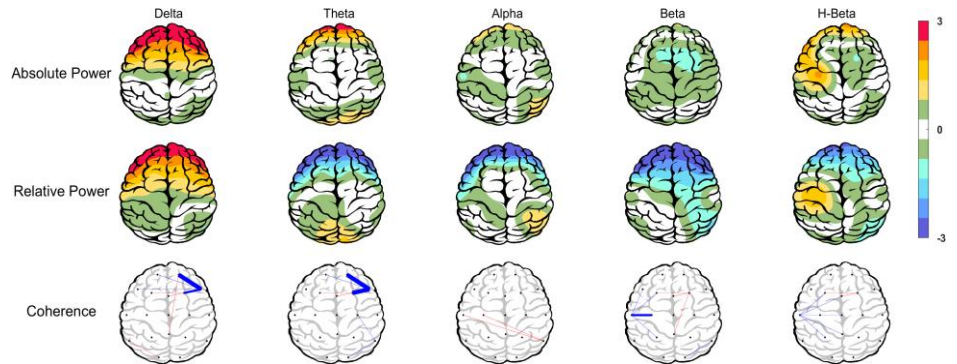
Alpha Asymmetry(AA)



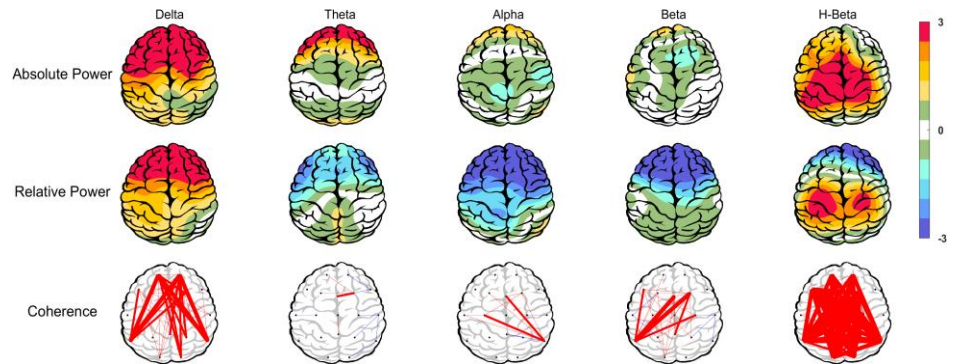
Alpha Blocking



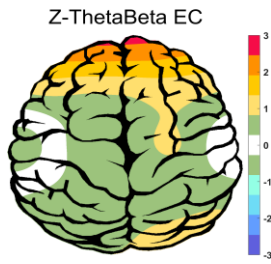
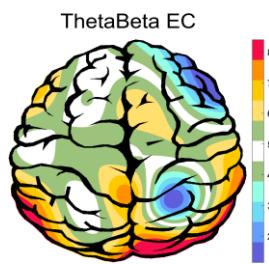
Z Score Summary Information (EC)



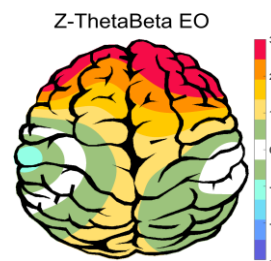
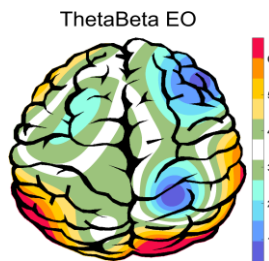
Z Score Summary Information (EO)



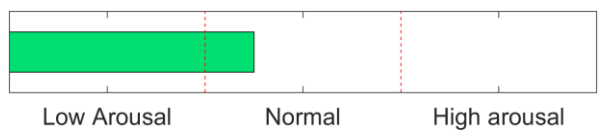
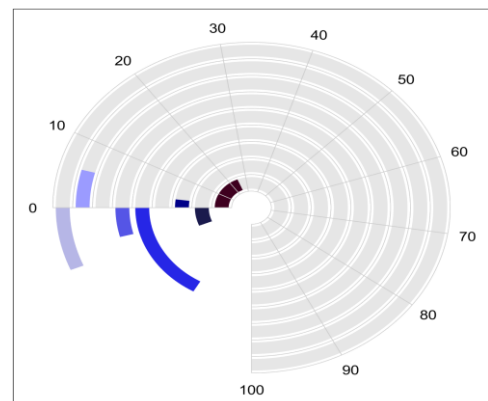
E.C.T/B Ratio (Raw- Z Score)



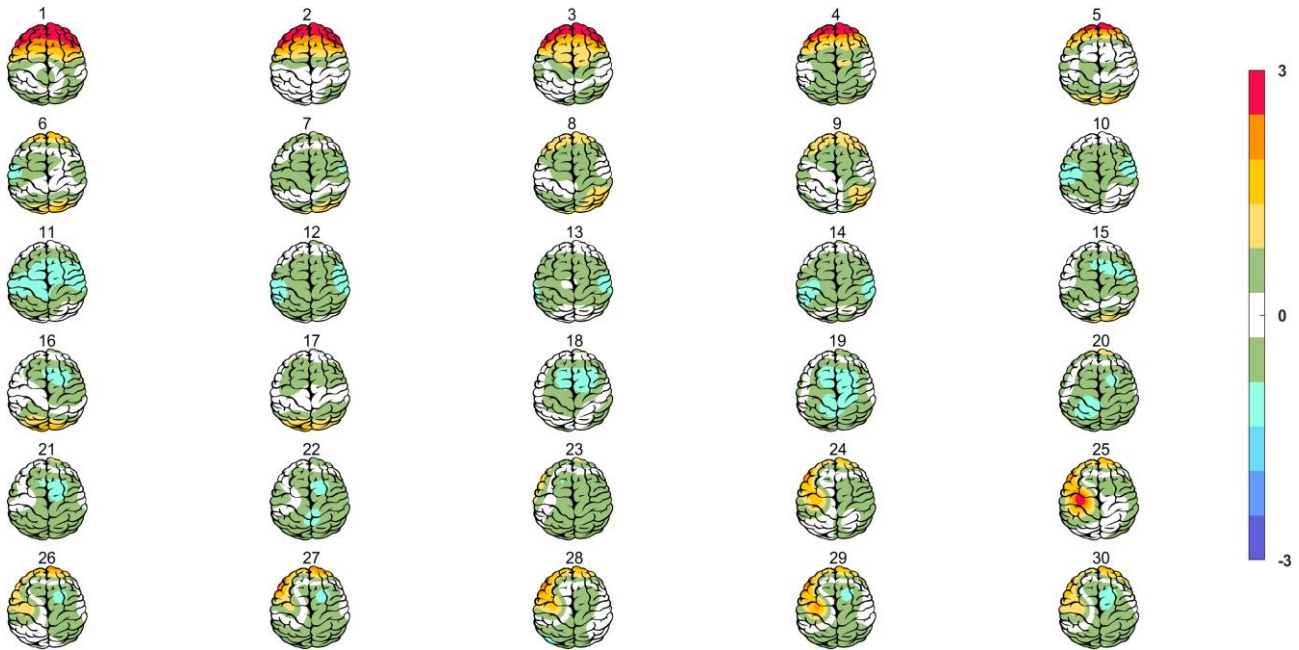
E.O.T/B Ratio (Raw- Z Score)



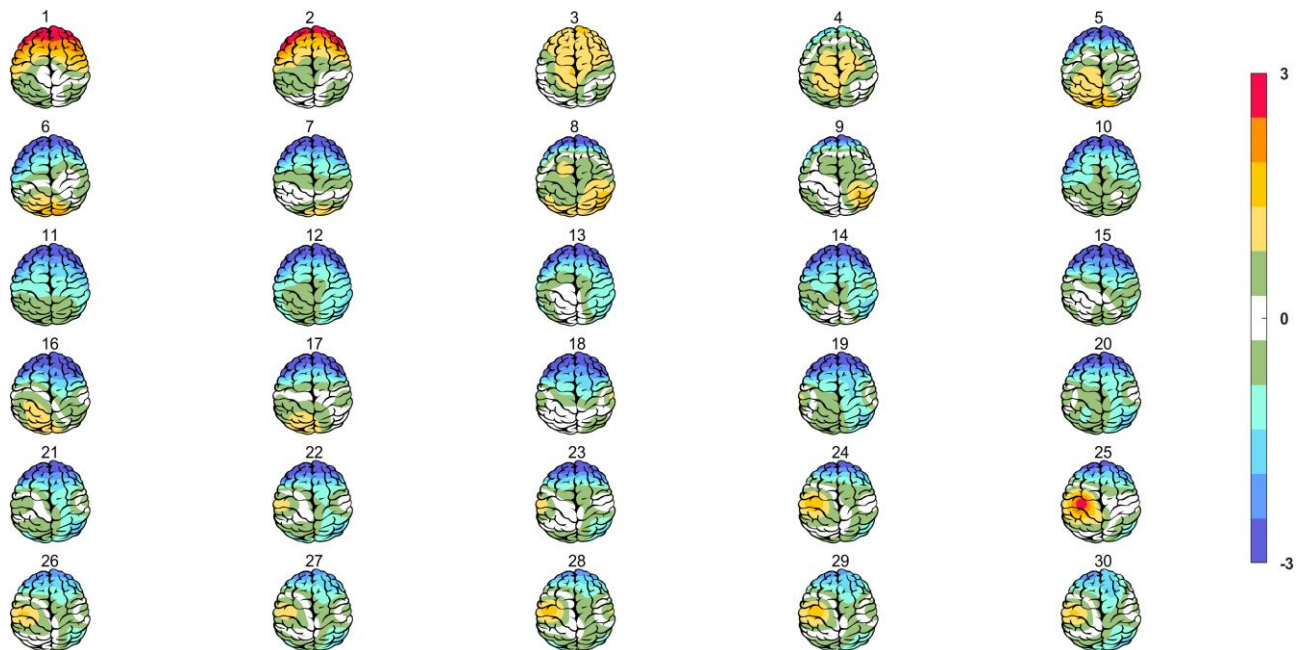
Arousal Level



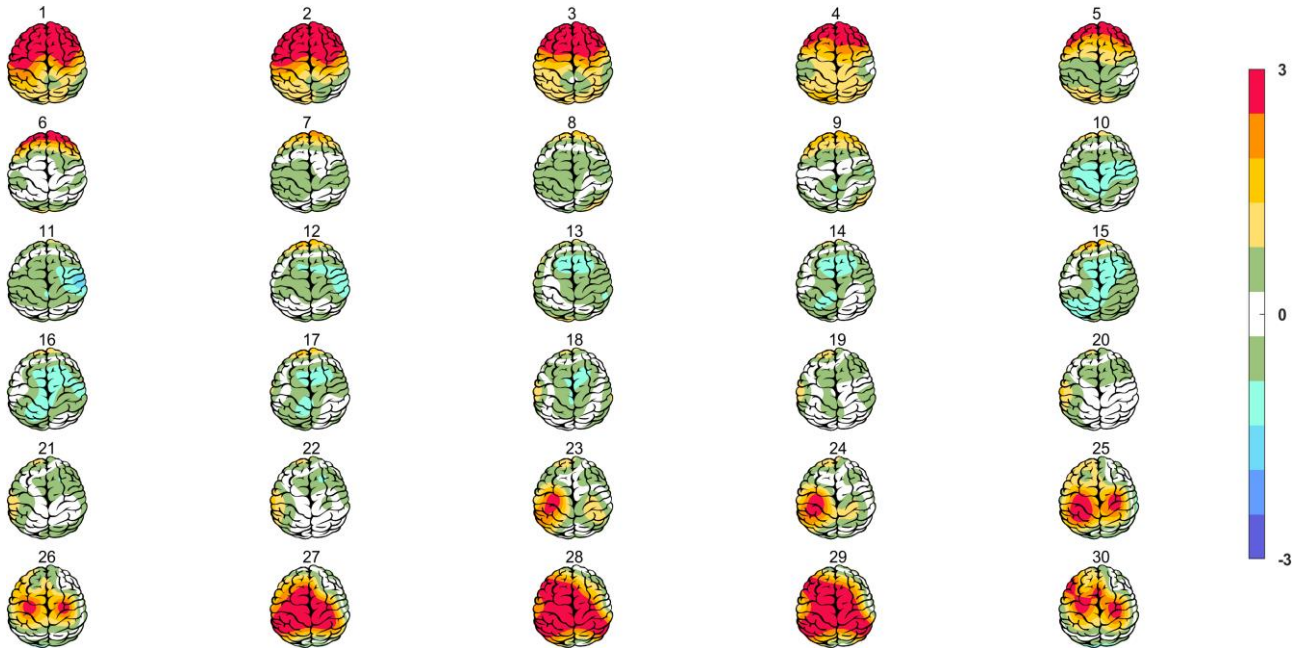
Absolute Power-Eye Closed (EC)



Relative Power-Eye Closed (EC)



Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)

